

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-29. (Canceled)

30. (Currently Amended) A system comprising:

a plurality of reverse communication channels; and

a plurality of forward communication channels, wherein:

each of the plurality of reverse communication channels and each of the plurality of forward communication channels utilize one common frequency;

each of the plurality of reverse communication channels having a unique code to identify the channel as a reverse communication channel and each of the plurality of forward communication channels ~~have~~ having a unique code to identify the channel as a forward communication channel; and

the plurality of reverse communication channels and plurality of forward channels carry data simultaneously.

31. (Previously Presented) The system of claim 30, wherein each unique code is one of a plurality of mutually orthogonal codes.

32. (Previously Presented) The system of claim 30, wherein:

each of the reverse communication channels is a communication channel for carrying data from a mobile terminal to a base station; and

each of the forward communication channels is a communication channel for carrying data from a base station to a mobile terminal.

33. (Canceled)

34. (Currently Amended) An apparatus comprising:

a transmitter configured to transmit data on a reverse communication channel;

and

a receiver configured to receive data on a forward communication channel,

wherein:

the reverse communication channel and the forward communication channel utilize one frequency channel;

the reverse communication channel having a unique code to identify the channel as a reverse communication channel and the forward communication channel each have having a unique code to identify the channel as a forward communication channel; and

the reverse communication channel and the forward communication channel are configured to carry data simultaneously.

35. (Previously Presented) The apparatus of claim 34, wherein each unique code is one of a plurality of mutually orthogonal codes.

36. (Previously Presented) The apparatus of claim 34, wherein the apparatus is a mobile terminal.

37. (Canceled)

38. (Currently Amended) An apparatus comprising:

a transmitter configured to transmit data on a plurality of forward communication channels; and

a receiver configured to receive data on a plurality reverse communication channels, wherein:

each of the plurality of reverse communication channels and each of the plurality of forward communication channels utilize one frequency channel;

each of the plurality of reverse communication channels having a unique code to identify the channel as a reverse communication channel and each of the forward communication channels ~~have~~ having a unique code to identify the channel as a forward communication channel; and

the reverse communication channels and the forward communication channels are configured to carry data simultaneously.

39. (Previously Presented) The apparatus of claim 38, wherein each unique code is one of a plurality of mutually orthogonal codes.

40. (Previously Presented) The apparatus of claim 38, wherein the apparatus is a base station.

Claims 41-42 (Canceled)

43. (Currently Amended) An apparatus comprising:

- a transmitter configured to transmit data on a common channel; and
- a receiver configured to receive data on the common channel, wherein the common channel includes:
 - a reverse communication channel and a forward communication channel that utilize one common channel;
 - the reverse communication channel having a unique code to identify the channel as a reverse communication channel and the forward communication channel each have having a unique code to identify the channel as a forward communication channel; and
 - the reverse communication channel and the forward communication channel are configured to carry data simultaneously.